



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LMC1/0214

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/882,561	07/03/97	047	NGUYEN, K	2772 02/14/00
First Named Applicant EDGE,		35 USC 154(b) \ term ext.	=	0 Days.

TITLE OF  
INVENTION RARRANGEMENT FOR MAPPING COLORS BETWEEN IMAGING SYSTEMS AND METHOD  
THEREFOR

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2 53492USA1A	345-431.000	I10	UTILITY	NO	\$1210.00	05/15/00

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS  
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.  
If the SMALL ENTITY is shown as NO:
  - A. Pay FEE DUE shown above, or
  - B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	08/882,561 Examiner	EDGE ET AL. Art Unit	
	Kimbinh T. Nguyen	2772	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

1.  This communication is responsive to amendment filed on 11/26/99.
2.  The allowed claim(s) is/are 1-5, 7-23 and 25-49.
3.  The drawings filed on 7/3/97 are acceptable.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
  - a)  All    b)  Some\*    c)  None    of the CERTIFIED copies of the priority documents have been
    1.  received.
    2.  received in Application No. (Series Code / Serial Number). \_\_\_\_\_
    3.  received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5.  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

A SHORTENED STATUTORY PERIOD FOR REPLY to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office Action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be available under the provisions of 37 CFR 1.136(a).

6.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7.  Applicant MUST submit NEW FORMAL DRAWINGS
  - (a)  because the originally filed drawings were declared by applicant to be informal.
  - (b)  including changes required by the Notice of Draftsperson's Patent Drawing Review( PTO-948) attached
    - 1)  hereto or 2)  to Paper No. \_\_\_\_\_.
  - (c)  including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the examiner.
  - (d)  including changes required by the attached Examiner's Amendment / Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

8.  Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

#### Attachment(s)

<input type="checkbox"/> Notice of References Cited (PTO-892) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material	<input type="checkbox"/> Notice of Informal Patent Application (PTO-152) <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. <input type="checkbox"/> Examiner's Amendment/Comment <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance <input type="checkbox"/> Other
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Art Unit:

### **DETAILED ACTION**

1. This action is responsive to amendment filed on 11/26/99.
2. Claims 1-5, 7-23, and 25-49 are pending in the application. Claims 1, 2, 7, 10-12, 14 and 19 have been amended. Claims 47-49 have been added.

#### *Allowable Subject Matter*

3. The following is an examiner's statement of reasons for allowance: the claims address a method for transforming colors between source and destination comprising: using forward transformation profiles that characterize the source and destination color imaging systems to generate respective sets of device-independent color values for the source and destination color imaging system; calculating color conversions for different combinations of source and destination color imaging systems by iteratively reducing differences between the respective sets of device-independent color values; constructing color maps describing relationships between the different combinations of source and destination color imaging systems using the color conversions and user preferences; using profiles to generate device-independent color values for the source, the device-independent color values having a same dimension as the source to generate black channel values independently of other color channel values; using profiles to perform color conversion; using color conversion and user preferences to define a color map for transforming colors, and to

Art Unit:

improve the accuracy of the color conversion relative to a quality threshold; storing the color maps; when a user requests a transformation for a selected combination of the source and destination color imaging systems and selected user preferences: determining whether one of the color maps corresponds to the selected combination and the selected user preferences, if so, retrieving the corresponding color map, and if not, constructing a new color map for the selected combination and selected user preferences. These feature neither shown nor suggested in the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Madden et al. U.S. (5,786,823) and Ring et al. U.S. (5,754,184) show a color management that converts or transforms color signals between device-dependent color spaces and a device-independent space.

5. Any response to this action should be mailed to Commissioner of Patents and Trademarks Office

Washington, D.C. 20231 Or faxed to:

(703) 3 08-9051, (for formal communications intended for entry) Or:

Art Unit:

(703) 308-6606 (for informal or draft communications, please label "PROPOSED" or  
"DRAFT")

Hand- delivered responses should be brought to Crystal Park 11, 2021 Crystal Drive,  
Arlington. VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner  
should be directed to Kimbinh Nguyen whose telephone number is (703) 305-9683. The examiner  
can normally be reached on Monday through Friday From 7:30 a.m. to 5:00p.m. (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's  
supervisor, Mark Zimmerman, can be reach on (703)305-9798. However, in such a case, please  
allow at least one business day before contacting Mark Zimmerman.

Any inquiry of a general nature or relating to the status of this application or proceeding  
should be directed to the group receptionist whose telephone number is (703)305-3900.

Kimbinh Nguyen

February 11, 2000



MARK K. ZIMMERMAN  
PRIMARY EXAMINER